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Cover: Colocalization of *c-fos* (red) with p75NGFR (green). Adult hippocampal derived clone (AP14) cells were treated with 0.5 μ M RA/0.5% FBS for 6 days and stimulated with NGF. See the article by Takahashi et al., pages 65–81, this issue.

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Cover: Micrograph of a section of the E7 chick embryo spinal cord after double fluorescent staining with sc45 antibody (green) and propidium iodide (red) taken by a confocal microscope. This antibody stains cells undergoing programmed cell death. Positive sc45 immunolabeling is shown in primary afferent projections presumably belonging to dying dorsal root ganglion neurons entering to the dorsal funiculus region. See the article by Ayala et al., pages 171–190, this issue.

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Cover: Cytoarchitecture of a hippocampal slice from a postnatal day 8 rat after two weeks of incubation *in vitro*. Hippocampal slices from postnatal rats retain their organotypic organization *in vitro* with conspicuous principal cell layers (CA1 and CA3 pyramidal cell layers, and granule cell layer) and excellent survival of neurons. See the article by Shetty and Turner, pages 391–413, this issue.

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Cover: Parental male midshipmen fish build nests under rocky shelters in the intertidal zone along the Pacific coast. There, they "sing" to attract females who deposit their eggs on the rocky substrate. Midshipman have a second male morph that neither builds nests nor acoustically courts females; instead these males sneak spawn while females are in a nest with a parental male. Newly fertilized eggs and hatched embryos, like the ones in these photographs, remain attached to a rock by a cement-like adhesive disk until they become free-swimming at about 50 days of age. The embryos shown here are from the clutches of several females and are at several different stages of development. The unpigmented ones are about two weeks old, those most deeply pigmented are six to seven weeks of age. There are also several recently fertilized, brightly colored yellow eggs scattered among the other embryos. Knapp, Marchaterre, and Bass (pp. 475-490, this issue) use transneuronal transport of biocytin or neurobiotin to delineate the early ontogeny of a pacemaker-motoneuron circuit that establishes sex and morph typical vocalizations. Photograph by Margaret Marchaterre, Section of Neurobiology and Behavior, Cornell University, Ithaca, New York.